*,	Application No.	Applicant(s)
Notice of Allowability	10/031,853	
	Examin r	KIM, YOUNG SUN Art Unit
	Luan Thai	2827
The MAILING DATE of this communication of the co	TAIL TAIL TO A THE COVER SHEET WITTEN TO SEE THE COMMENT OF THE CO	ith the correspondence address n this application. If not included
. $igotimes$ This communication is responsive to $Amendment  extit{file}$	<u>ed 3/24/04</u> .	
P. ⊠ The allowed claim(s) is/are <u>1-51</u> .		
$\mathbb{Z}$ The drawings filed on <u>24 January 2002</u> are accepted	by the Examiner.	
<ul> <li>Acknowledgment is made of a claim for foreign prior</li> <li>a)   All b)   Some* c)   None of the:  1.   Certified copies of the priority documents</li> <li>2.   Certified copies of the priority documents</li> <li>3.   Copies of the certified copies of the priori International Bureau (PCT Rule 17.2(a)).</li> </ul>	have been received. have been received in Application ty documents have been received	n No
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DA noted below. Failure to timely comply will result in ABAND THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which CORRECTED DRAWINGS (as "replacement sheets")	submitted. Note the attached EXA gives reason(s) why the oath or	
(a) ☐ including changes required by the Notice of Drafts	inust be submitted.	(1770 - 170)
1) hereto or 2) to Paper No./Mail Date	person's rateric brawing Review	(PTO-948) attached
(b) ☐ including changes required by the attached Exami Paper No./Mail Date	ner's Amendment / Comment or i	n the Office action of
Identifying indicia such as the application number (see 37 Cleach sheet. Replacement sheet(s) should be labeled as such	and modder according to 37 CFR	1.121(0)
□ DEPOSIT OF and/or INFORMATION about the deattached Examiner's comment regarding REQUIREME	anasii of DIOLOGICA	
achm nt(s)		
Notice of References Cited (PTO-892)	5. Notice of Info	rmal Patent Application (PTO-152)
☐ Notice of Draftperson's Patent Drawing Review (PTO-94	8) 6. Interview Sum Paper No./M	nmary (PTO-413), ail Date
Information Disclosure Statements (PTO-1449 or PTO/S Paper No./Mail Date	B/08), 7. ∐ Examiner's Ar	mendment/Comment
Examiner's Comment Regarding Requirement for Depos of Biological Material	it 8. ⊠ Examiner's St 9. □ Other	atement of Reasons for Allowance
·		
2.	/	

Primary Examines

Application/Control Number: 10/031,853

Art Unit: 2827

## **DETAILED ACTION**

- 1. Applicant's election with traverse filed March 24, 2004 is acknowledged. Since the traversal is found persuasive (e.g., the present application is a National Stage application), the Restriction Requirement dated February 24, 2004, is withdrawn.
- 2. Claims 1-51 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The cited art taken either singly or in combination with other prior arts fails to anticipate or fairly suggest the limitations which the Applicant claims in independent claims 1, 10, 19, 35, and 51, in a manner which would warrant a rejection under 35 U.S.C. § 102 or 35 U.S.C. § 103, especially when these limitations are considered within the specific combination claimed.

The cited art, U.S. Pat. No. 6,552,428 to Huang et al., discloses a semiconductor package having an exposed heat spreader but it fails to teach, among other, at least: a) a portion of the surface of the heat-radiating canopy being in contact with the semiconductor chip is recessed, as recited in claims 1, 10, and 51; and b) method step of attaching a heat-radiating canopy to a top surface of the semiconductor chip, as recited in claims 19 and 35.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2827

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luan Thai whose telephone number is 571-272-1935. The examiner can normally be reached on 6:45 AM - 4:15 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luan Thai

May 26, 2004 United States Patent & Trademark Office Primary Examiner Jef-6A15 Art Unit 2827 (571) 272-1935